



N49RF ERROR SUMMARY

Aborted ENRR # 8 PHNL

6 February 2016



Flight ID: 20160206N1

Sensor or system

Static Pressure Probe

Dynamic Pressure Probe

Total Temperature Probe

Dewpoint Temp. Probe

Vertical Accelerometer

Altimeter

INE Selection

Differential Attack Pressure Probe

Differential Sideslip Pressure Probe

Dynamic Attack Pressure Probe

Dynamic Sideslip Pressure Probe

Flight Directory

Number or Name

PSM.2

PQM.2

TTM.4

TDM.1

AccZfilterI.1

AltGPS.3

1

PDALPHA.2

PDBETA.1

PQALPHA.2

PQBETA.1

acdata/2016/MET/20160206N1

Local Met Data:

Takeoff - 2047Z

Landing - 2242Z

Aircraft Static Pressure

1013.4 mb

1013.0 mb

Tower Pressure (corrected)

1016.0 mb

1014.4 mb

Notes:

Soon after takeoff a problem with the fuel transfer system in the wings lead to a mission abort and return to Honolulu. None of the science objectives of ENRR #8 were met.

Takeoff / Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

TDM.1 and TDM.2 are not rated for use under -50 deg C, so neither can be considered reliable for dew points colder than -50C. While normally reliable at lower altitudes, both dew point sensors displayed anomalously low values and abnormal oscillations during takeoff climb and descent to landing. Therefore, all flight level humidity data for this mission should be considered suspect.

AltGPS.3 was used as the source for absolute altitude. AltRa.1 displayed an interval of intermittent missing data points (NaNs) during climb after takeoff around 2109z.

Other than the dew point sensors, there were no issues noted in the measured parameters used to calculate meteorological and navigational parameters.

Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	0	0	0

Flight Director:

Phone #:

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